

# ***Defense Standardization Program***



***Enabling Force  
Transformation***

**16 March 2004**



# ***THANK YOU!***



- Liberated Two Nations
- Captured Abusive Dictator
- Defended Against Further Homeland Attacks
- Maintained Global Presence

***Defense Standards are the Bedrock of Allied Interop***



# ***The Specifics . . .***

- Moved a ground force farther and faster than ever before
- Ongoing largest troop rotation since WWII
- Alleviated human suffering in Africa and South America
- Deterred aggression in the Pacific

***These efforts were accomplished by drawing on a global support base, enabled by international and allied standards!***



# ***The New Game***



- **Immediately Employable Force Option**
- **Preemptive Capability**
- **Net-Centric Warfare**
- **Joint Focused Logistics**



# ***QDR Direction***

- **Project and sustain the force with minimal footprint**
- **Implement performance-based logistics to improve readiness for major weapon systems and availability of commodities**
- **Reduce cycle times to industry standards**



# ***USD (AT&L) Goals***

1. Acquisition Excellence with Integrity
2. Logistics Integrated and Efficient
3. Systems Integration and Engineering for Mission Success
4. Technology Dominance
5. Resources Rationalized
6. Industrial Base Strengthened
7. Motivated, Agile Workforce

***Achievement of these goals required a robust standards program!***



# ***Vision to Reality through Defense Standards***

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- The background image is a composite. The top half shows a clear blue sky with several fighter jets in flight. The bottom half shows a desert landscape with a large, bright orange and yellow explosion or fire in the foreground, partially obscuring the view of the ground.
- **Unique Identification**
  - **Technical Manuals**
  - **Configuration Management**
  - **Radio Frequency Identification**
  - **Insensitive Munitions**

***DSP: Realizing the Future  
NOW!***



# Weapon System Support Challenges

## Operational Challenges

- Availability of parts
- High maintenance levels
- Retention/turnover of maintenance personnel
- Large maintenance/supply footprint

## Structural Challenges

- Equipment designed to 75-85% availability
- Disjointed acquisition and logistics processes and accountability
- \$67B per year in cost; no link to output
- Disjointed, functional support structure
- 16-day CWT for high priority parts
- 50% of cost tied to maintenance; vast majority at O&I level

## Implications for Transformation

- Will not support rapid force projection
- Large footprint (people and equipment)
- Complex, disjointed logistics chains
- Limited asset visibility

## Mid-Term Solutions FLE Initiative

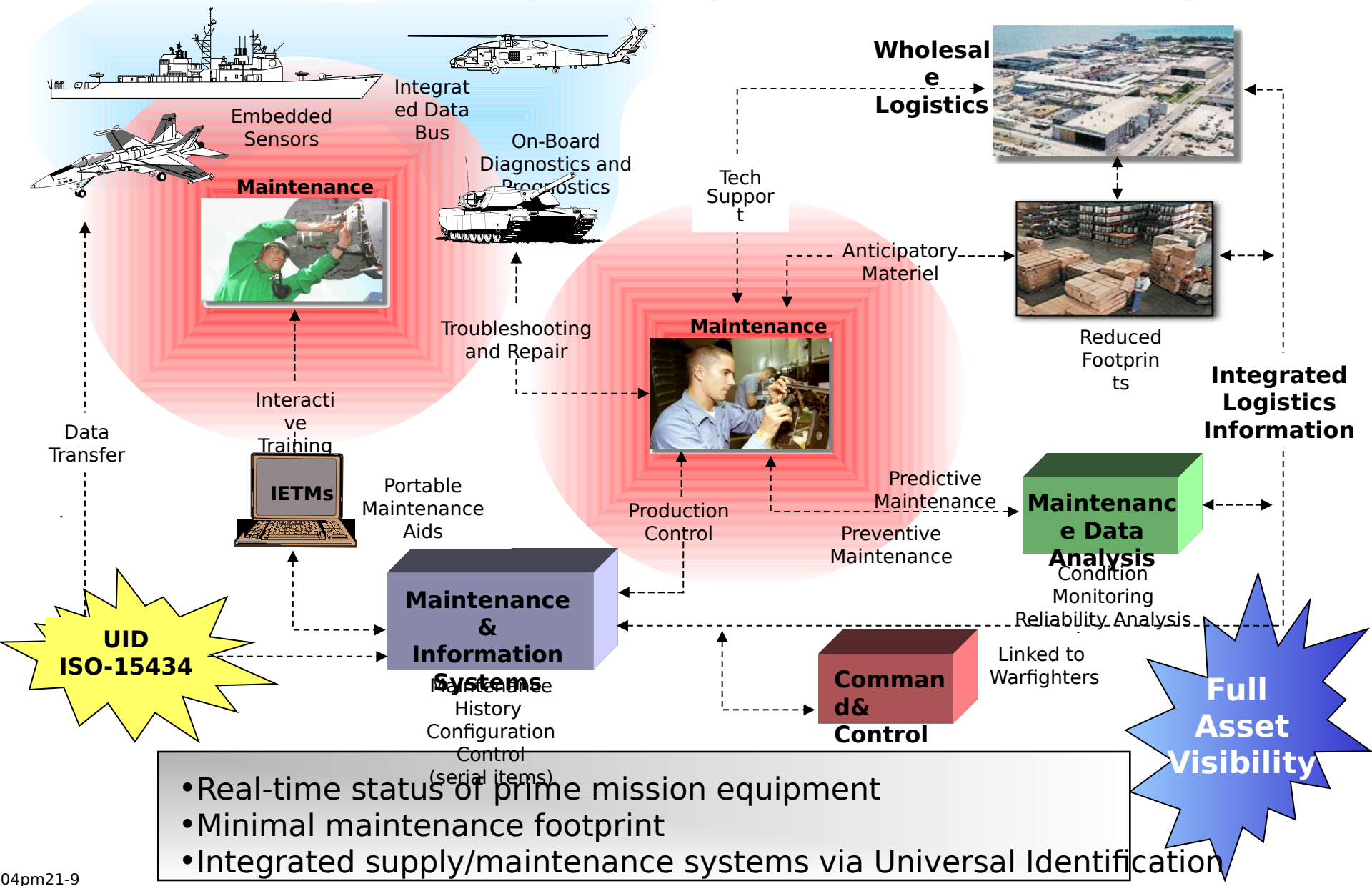
- Total Life Cycle Systems Management
- Performance-Based Logistics
- Depot Partnering
- Conditioned-Based Maintenance +

**Integrated strategy to achieve end-to-end accountability for weapon system support that meets transformation goals and requirements.**





# UID: Enabling Logistics Integration





# ***S1000D Finally!***

## **International Electronic Technical Manuals**



***Built to International Standards***

- International specifications led by industry with DoD partnership
- Improved interoperability and data reuse
- Source data standardization
- Potential for standard presentation from differing authoring tools



# Future System Sustainment

**Real-Time  
System Status  
(CBM+)**

**Industry/Government**



**Partnerships**

**Performance-  
Based Logistics**

**Weapon System  
Manager**



**Force Provider**

**Ensure system is  
sustained at optimum  
level**

**Performance Agreement**

**Performance Agreement**

**Provide continuous,  
reliable, affordable  
support**

**Acquisition**

**Sustainment**

**Disposal**

**Visibility into cost/risk decisions across life cycle**

**Providing operational availability; not parts.**



# ***Programs Contributing to GWOT***

**JSTARS**



**B-2**



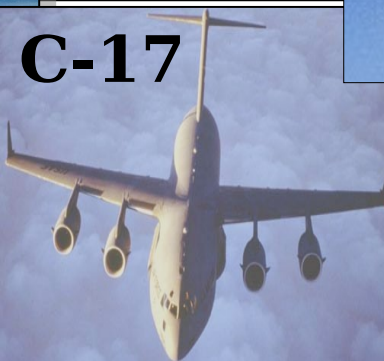
**F/A-18 E/F**



**F-117**



**C-17**



**AWACS**



**Common Ground Station**

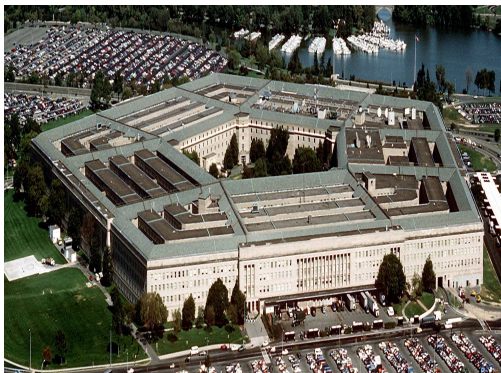


***Delivering Capability NOW!***





# ***Industry/Government Partnerships***



- Configuration Management (GEIA-649)
- Life Cycle Data Management (GEIA-859)
- Life Cycle Data Dictionary (EIA-836)

***Implementing Commercial Standards***



# ***Continuing Challenges***



Theater Distribution Center, Apr 03, Kuwait



# ***Streamlining Material Flow RFID***



## ➤ **Support Warfighter requirements**

- Directs use of **active** RFID across DoD

### **Components for ITV**

- Directs immediate implementation of active RFID business rules

## ➤ **Streamline the Supply Chain . . .**

- Directs implementation of **passive** RFID within the DoD

- Stat **Implement active RFID NOW!**
- Stat **Implement passive RFID by the**
- technol **January 2005**



# ***Way Ahead***

- **Joint Material Standardization Roadmap**
- **Program Manager's Tool**
- **MILS Streamlining**
- **NATO Codification**

***Achieving National Security  
Objectives through International  
Standardization***



# ***The End Game***



***Ubiquitous, cost-effective capability  
to project and sustain power.***